

09/529374

412 Rec'd PCT/PTO 12 APR 2000

PENDORF & CUTLIFF

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April 12, 2000

BOX PCT

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

PCT/EP99/05882
- filed August 11, 1999

Re: Application of Hans-Berth **KLERSY**
"PREFABRICATED HOUSE/BUILDING REALIZED ACCORDING
TO A METALLIC-STRUCTURE MODULAR CONSTRUCTION METHOD"
Our Ref.: 3933.002

Dear Sir:

The following documents and fees are submitted herewith in connection with the above application for the purpose of entering the National stage under 35 U.S.C. §371 and in accordance with Chapter I of the Patent Cooperation Treaty:

- X this express request to immediately begin national examination procedures (35 U.S.C. 371(f)).
- X an executed Declaration and Power of Attorney.
- X a German Language International Application with European Search Report
- X an English (translation of the) International Application.
- an English (translation of) Article 19 claim amendments.
- English translation of Article 34 amendments (annexes to the IPER) and German language IPER.
- an executed Assignment and PTO 1595 form.
- X executed Small Entity Declaration - Independent Inventor.
- X executed Small Entity Declaration - Small Business Concern.
- X Preliminary Amendment.

09/529374

Honorable Commissioner of
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April 12, 2000

422 Rec'd PCT/PTO 1 2 APR 2000

Attorney Docket: 3933.002

It is assumed that copies of the International Application, the International Search Report, the International Preliminary Examination Report, and any Articles 19 and 34 amendments as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned can easily provide them upon request.

The Government filing fee is calculated as follows:

Total claims	19	- 20	=	___	x \$ 9	= \$
Independent Claims	2	- 3	=	___	x \$39	= \$
Base Fee						\$420.00*

TOTAL FILING FEE \$420.00

* A copy of the European Search Report is attached.

A check for the statutory filing fee of \$420.00 is attached. Please charge or credit any difference or overpayment to Deposit Account No. 16-0877. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.492 which may be required during the entire pendency of the application to said Account.

Priority is claimed from August 14, 1998, based on German Application No. 198 36 904.2.

Respectfully submitted,

PENDORF & CUTLIFF
Attorneys for Applicant

By


Stephan A. Pendorf
Registration No. 32,665

00240466560

09/529374

Honorable Commissioner of
Patents and Trademarks
April 12, 2000

422 Rec'd PCT/PTO 12 APR 2000

Attorney Docket: 3933.002

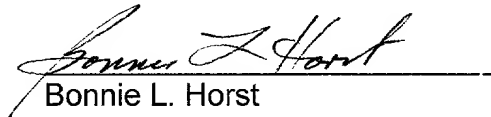
EXPRESS MAIL CERTIFICATE

"EXPRESS MAIL" MAILING LABEL NUMBER: **EL568146563US**

DATE OF DEPOSIT: **April 12, 2000**

I HEREBY CERTIFY that the foregoing cover letter including the German Language International Application with European Search Report, English Language translation, Preliminary Amendment, Declaration and Power of Attorney, Small Entity Declaration, payment of fee, and a stamped receipt post card are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated and is addressed: **ATTN: Box PCT, Commissioner of Patents and Trademarks, Washington, D.C. 20231.**

The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account Number 16-0877.


Bonnie L. Horst

00249-160000

Bill Kern, Germany, [Signature]

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hans-Berth KLEISY

Application No.:

Filed:

For: PREFABRICATED HOUSE/BUILDING REALIZED ACCORDING
TO A METALLIC-STRUCTURE MODULAR CONSTRUCTION METHOD

Atty Docket No.: 3933.002

VERIFIED STATEMENT CLAIMING SMALL ENTITY STATUS
SMALL BUSINESS CONCERN

I HEREBY DECLARE that I am an official of the small business concern empowered to act on behalf of the concern identified below.

I HEREBY DECLARE that the below identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern

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4-12-00
DATE

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SIGNATURE

NEW U.S. APPLICATION
VERIFIED STATEMENT CLAIMING
SMALL ENTITY STATUS

ATTY DOCK: 2933.002

controls or has the power to control the other, or a third-party or parties controls or has the power to control both.

I HEREBY DECLARE that rights under contract or law have been conveyed, to and remain with the small business concern identified below with regard to the above-referenced invention.

If the rights held by the below identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

COMPANY NAME : BAU. HOW GMBH
ADDRESS : SIEMENSSTR 1, D 65795 HATTLERSHIM

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small business entity is no longer appropriate.

I HEREBY DECLARE that all statements made herein of my own

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0004

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003/003

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Page 5/5

NEW U.S. APPLICATION
VERIFIED STATEMENT CLAIMING
SMALL ENTITY STATUS

ATTY DOCK: 3932.002

knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

BAU HOW GmbH

By: 

Its: _____

Date: 12.04.2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hans-Berth KLERSY

Appln. No.:

Filed: April 12, 2000

For: PREFABRICATED HOUSE/BUILDING REALIZED ACCORDING
TO A METALLIC-STRUCTURE MODULAR CONSTRUCTION METHOD

Attorney Docket No.: 3933.002

PRELIMINARY AMENDMENT

Box: PCT
Honorable Commissioner of
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Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application,
please amend the application as follows:

IN THE SPECIFICATION:

Page 1, line 5, delete "Description" and insert:

--BACKGROUND OF THE INVENTION

Field of the Invention--;

Page 1, line 11, insert:

--SUMMARY OF THE INVENTION--;

Page 4, before line 1, insert:

--BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows an elevated perspective view of the metal framework
for the modular steel frame for a building structure according to
the invention;

Fig. 2 is a partial sectional view showing the components in assembled condition;

Fig. 3 is a sectional view according to Fig. 2 in different axis; Figs. 4 and 5 show alternative assemblies produced using the modular components.

DETAILED DESCRIPTION OF THE INVENTION--.

IN THE CLAIMS:

Page 7, line 1, please delete "Claims" and insert therefore --What is Claimed is:--

Please amend the claims as follows:

1. Prefabricated buildings or houses according to a modular steel frame construction method substantiated by the fact that the modular steel frame construction method consists of the combination of a ceiling frame (6), of a floor frame (1) and of Z-shaped sections welded inside the floor frame (1) in order to form flanges, of the floor layer (3), of a twinned pillar (4) with interconnecting welded bridges, the pillar being connected to the floor frame (1) and the ceiling frame (6) by the use of a transverse bearer (7) and of pins (5).

2. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method according to [as claimed in] claim 1, substantiated by the fact that the floor frame (1) consists of a standardized section C 160, St 37 or St 52 or/and other possible sections and that it is bevelled and welded.

3. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [and 2], substantiated by the fact that Z-sections (2) as flanges or stays are welded on the inside of the floor frame (1) in a well-defined axial distance in order to fill the incurved part of the flange with concrete without reinforcing the latter.

4. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 3], substantiated by the fact that the floor layer (3) consists of concrete, d = at minimum 100 mm or more, and undermost of an insulating layer of pressed rockwool or a similar insulation material, d = at minimum 60 mm or more, that the floor layer (3) is mounted between the flanges (2) and that it is covered, without being reinforced, with B 25 or a concrete of superior proficiency grade.

5. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 4], substantiated by the fact that the twinned pillar (4) consists of two MSH sections 60/60/5, St 37 or St 52 and/or other conceivable sections and that they are interconnected by welded steel bridges 80/80/10 or other variants in dependence of the chosen section, and in an axial distance from each other conforming to the statics specifications.

6. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 5], substantiated by the fact that the twinned pillar (4) is connected to the floor frame (1) and the ceiling frame (6)

through junction gussets in conformity with statics specifications.

7. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 6], substantiated by the fact that the number of the twinned pillars (4) is determined by statics requirements.

8. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 7], substantiated by the fact that the pins (5) consist of solid turned bars of St 37 or other conceivable materials, and that they are used for connecting vertically the twinned pillars (4) of two modules placed one on top of another.

9. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 8], substantiated by the fact that the combination of the twinned pillars (4) with the pins (5) ensures the accurate vertical and horizontal structure of the building by means of a simple plug-in connection.

10. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 9], substantiated by the fact that the ceiling frame (6) consists of an L-shaped sheet-steel section, St 37 or 52 or of other conceivable materials or sections.

11. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1

[to 10], substantiated by the fact that the ceiling frame (6) consists of an edged or rolled L-section 250/75/5 or other conceivable sections.

12. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 11], substantiated by the fact that the frames (1) and (6) are bevelled and welded at their angles or corners.

13. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 12], substantiated by the fact that C 60, C 80 or other sections (transverse bearer) (7) are welded into the ceiling frame, perpendicular to its longitudinal direction and in an axial distance depending upon statics specifications.

14. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 13], substantiated by the fact that the combination of the ceiling frame (6) with the floor frame (1) generates a twinned beam (9) allowing a cantilever span of up to 14 m.

15. (Amended) Flange or stay strengthener (inserted passage)

16. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 14], substantiated by the fact that the twinned beams (9) are interconnected either by screw-bolts or through welding, the method of interconnection depending upon the cantilever span.

17. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim 1 [one of the preceding claims], substantiated by the fact that a combination of the roof frame (10) with the floor frame (1) and the transverse bearers (7) is practicable.

18. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 17], substantiated by the fact that the finished modules (8) are connected, mounted and rabbeted accordingly at the building site.

19. (Amended) Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim[s] 1 [to 18], substantiated by the fact that it is possible to build houses with a variable number of stories.

IN THE ABSTRACT:

Please add the attached Abstract to the application.

REMARKS

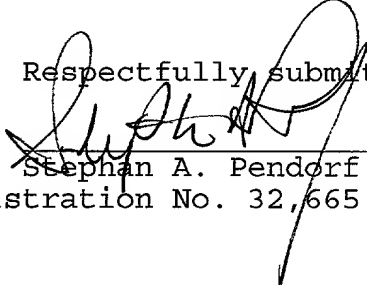
The specification claims have been amended to conform the original translated specification and claims to U.S. requirements, i.e., appropriate section headers are added, reference in the specification to the claims have been amended in order to eliminate multiple dependent claims and claims improperly depending from multiple dependent claims, and to otherwise conform the claims to U.S. practice. Care has been taken to ensure that no new matter is added to the text.

U.S. Application: NEW
Preliminary Amendment

Attorney Docket: 3933.002

Entry and favorable consideration prior to consideration are respectfully requested.

Respectfully submitted,



Stephan A. Pendorf
Registration No. 32,665

PENDORF & CUTLIFF
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Date: April 12, 2000

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The Commissioner is hereby authorized to charge any additional fees which may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account Number 16-0877.



Bonnie L. Horst

5/PART 5

09/529374
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PREFABRICATED BUILDINGS ACCORDING
TO MODULAR STEEL FRAME CONSTRUCTION METHOD

5 Description

The present innovative invention deals with the construction of any type of real estate (villas or self-contained houses, multi-story house-building, functional building versions) on the basis
10 of a modular steel frame construction.

The objective of the present invention is to procure habitation at a very competitive price and to prevent building imperfections through serial production.

15 These requirements are generally impeded by needless times of waiting, by defects which may occur during the building process and by totally unnecessary transportation distances at the building site.

20 The problem is solved by the innovative invention and its added products reducing the costs for building erection and for construction and assembly of the building components:

- 25 - Reduction to a minimum of the works executed on and at the building site
- Abandonment of the traditional building method
- 30 - Production in a plant
- Development of a flexible and modular technologie for construction

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4.12.00
DATE Forrest J. Horrell
SIGNATURE

- Adoption of an assembly-line, production of houses according to a modular construction method comprising total completion of the building modules, all fittings included.

5

Objective: Erecting prefabricated houses and buildings of modular steel frame construction ready for immediate occupation.

Other innovative features:

10

- Reduction of labor time for the production of building components

15

- Reduction of building defects, delivery of certified building materials

20

- Reduction of transportation costs, for the materials and the works at site

25

- Reduction of the total building period for a house

- Reduction of losses of labor time since the workmen are not exposed to weather influences existing at outdoor building sites

30

- Reduction of costs for object planning and administration
- Improvement of productivity by continuous operation and work to capacity of annual production since influences of bad weather are eliminated.

The present beneficial invention is based upon the perception that the basic construction, exterior and interior walls, fittings and interior finishings, as well as the roof coverings, doors and windows are prefabricated in modules ready for use and

then transported to the building site. The said perception extends over standardized serial buildings and individual homes as well, where the assignors plan can be considered to a large extent.

5

Observations:

10 The modular steel frame construction conveys at the end of the building erection phase the impression of a solid stone or brick-wall house. The building floors have oscillation frequencies similar to solid concrete floors and show high step and air sound insulation values, particularly when the present method is used for collective housing units. The ceiling diameter corresponds to
15 that of a solid ceiling.

Statics allow multi-story buildings until 5 integral stories at the fixed standard price, with standard cantilever depths up to 14 m and vertical variability limited to 3.5 m for any additional
20 story above the 5 full stories.

The exterior walls are mechanically robust, highly heat insulating and sound absorbing. The windows show a low K-value and a high air sound insulation value. The roof covers are
25 variable, their durability is great. The standard roof covering can be used in all areas of Germany.

The technical equipment corresponds to future-oriented, state-of-the-art standards allowing extension and updating without
30 reconstruction or substantial modifications.

Furthermore, styling and architectural criteria as well as individual designs can be considered and realized at reasonable supplementary cost.

35

Finally, the modular steel frame construction method is described as follows:

The floor frame (1) and the ceiling frame (2) consist of a standard steel section C 160, St 37 or St 52 , bevelled and welded.

Z-shaped sections (2) are welded into the floor frame (1) in a well-defined axial distance in order to form flanges or stays allowing to fill the incurved part of the flange with concrete without reinforcing it.

The floor structure or layer (3) consisting of concrete $d = 100$ mm and undermost of an insulation layer of pressed rockwool $d = 60$ mm is mounted between the flanges (2) and covered with concrete B 25 without being reinforced. Depending upon statics, the floor layer can have different concrete and insulation layer diameters and can consist of other insulation materials.

The combination between floor frame (1), Z-shaped section (2) as a flange and floor layer (3) is part of the present invention; it generates a solid layer with great bending strength, an excellent oscillation frequency, a fire protection value of F 90 and a high air sound insulation measurement.

The twinned pillars (4) consist of two MSH sections 60/60/5 St 37 or St 52 which are interconnected by steel bridges 80/80/10 welded between them, the axial distance of the latter depending upon statics specifications. In fact, according to static requirements, other twinned pillars of different sections can be interconnected by welded bridges of a different number.

The twinned pillars (4) for their part are welded to the floor frame (1) and the ceiling frame (2) with the help of junction gussets absorbing and transmitting the shearing force of the

building. The number of twinned pillars required is determined by the statics.

The pins (5) consist of turned bars St 37 or other possible materials connecting vertically the twinned pillars (4) of two superposed modules (8) and guiding the modules (8) when mounted one on top of the other.

The pins (5) determine the alignment and precise distance of the superposed module from the module below. The superior part of one of the two pins (5) is elongated and extends beyond the ceiling frame of the module below. This pin is provided for guiding precisely to the mm the sinking down of the superposed module thus reducing the mounting process to a simple plugging in.

The combination between the twinned pillars (4) consisting of two or more MSH sections and the pins (5) ensures an accurate vertical and horizontal building structure through a simple plug connection.

The ceiling frame (6) is an L-section consisting of sheet-steel St 37 or St 52 edged or rolled to an L-section 250/75/5 being bevelled and welded at the corners of the frame.

Perpendicular to the longitudinal direction of the ceiling frame, several C 60 or C 80 sections (7) are welded inside the frame, the distance between them depending upon static requirements; they support the substructure of the suspended ceiling or the roof.

This allows to produce complete room ceilings in the plant. Concerning the roof, this enables to work simultaneously at the exterior and interior structure of any known type or shape of roof.

The combination of ceiling frame (6) being flange or stay and floor frame (1) is a part of the present invention; it generates a twinned beam (9) allowing a cantilever span of 14 m. According to the span, the construction is interconnected either by screw-
5 bolts or welded.

Claims

1. Prefabricated buildings or houses according to a modular steel frame construction method substantiated by the fact that the modular steel frame construction method consists of the combination of a ceiling frame (6), of a floor frame (1) and of Z-shaped sections welded inside the floor frame (1) in order to form flanges, of the floor layer (3), of a twinned pillar (4) with interconnecting welded bridges, the pillar being connected to the floor frame (1) and the ceiling frame (6) by the use of a transverse bearer (7) and of pins (5).

2. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claim 1, substantiated by the fact that the floor frame (1) consists of a standardized section C 160, St 37 or St 52 or/and other possible sections and that it is bevelled and welded.

3. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 and 2, substantiated by the fact that Z-sections (2) as flanges or stays are welded on the inside of the floor frame (1) in a well-defined axial distance in order to fill the incurved part of the flange with concrete without reinforcing the latter.

4. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 3, substantiated by the fact that the floor layer (3) consists of concrete, $d =$ at minimum 100 mm or more, and undermost of an insulating layer of pressed rockwool or a similar insulation material, $d =$ at minimum 60 mm or more, that the floor layer (3) is mounted between the flanges (2) and that it is covered,

without being reinforced, with B 25 or a concrete of superior proficiency grade.

5. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 4, substantiated by the fact that the twinned pillar (4) consists of two MSH sections 60/60/5, St 37 or St 52 and/or other conceivable sections and that they are interconnected by welded steel bridges 80/80/10 or other variants in dependence of the chosen section, and in an axial distance from each other conforming to the statics specifications.

6. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 5, substantiated by the fact that the twinned pillar (4) is connected to the floor frame (1) and the ceiling frame (6) through junction gussets in conformity with statics specifications.

7. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 6, substantiated by the fact that the number of the twinned pillars (4) is determined by statics requirements.

8. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 7, substantiated by the fact that the pins (5) consist of solid turned bars of St 37 or other conceivable materials, and that they are used for connecting vertically the twinned pillars (4) of two modules placed one on top of another.

9. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 8, substantiated by the fact that the combination of the twinned pillars (4) with the pins (5) ensures the accurate vertical and

horizontal structure of the building by means of a simple plug-in connection.

10. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 9, substantiated by the fact that the ceiling frame (6) consists of an L-shaped sheet-steel section, St 37 or 52 or of other conceivable materials or sections.

11. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 10, substantiated by the fact that the ceiling frame (6) consists of an edged or rolled L-section 250/75/5 or other conceivable sections.

12. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 11, substantiated by the fact that the frames (1) and (6) are bevelled and welded at their angles or corners.

13. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 12, substantiated by the fact that C 60, C 80 or other sections (transverse bearer) (7) are welded into the ceiling frame, perpendicular to its longitudinal direction and in an axial distance depending upon statics specifications.

14. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 13, substantiated by the fact that the combination of the ceiling frame (6) with the floor frame (1) generates a twinned beam (9) allowing a cantilever span of up to 14 m.

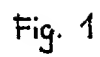
15. Flange or stay strengthener (inserted passage)

16. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 14, substantiated by the fact that the twinned beams (9) are interconnected either by screw-bolts or through welding, the method of interconnection depending upon the cantilever span.

17. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in one of the preceding claims, substantiated by the fact that a combination of the roof frame (10) with the floor frame (1) and the transverse bearers (7) is practicable.

18. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 17, substantiated by the fact that the finished modules (8) are connected, mounted and rabbeted accordingly at the building site.

19. Prefabricated buildings or houses according to a modular steel frame construction method as claimed in claims 1 to 18, substantiated by the fact that it is possible to build houses with a variable number of stories.



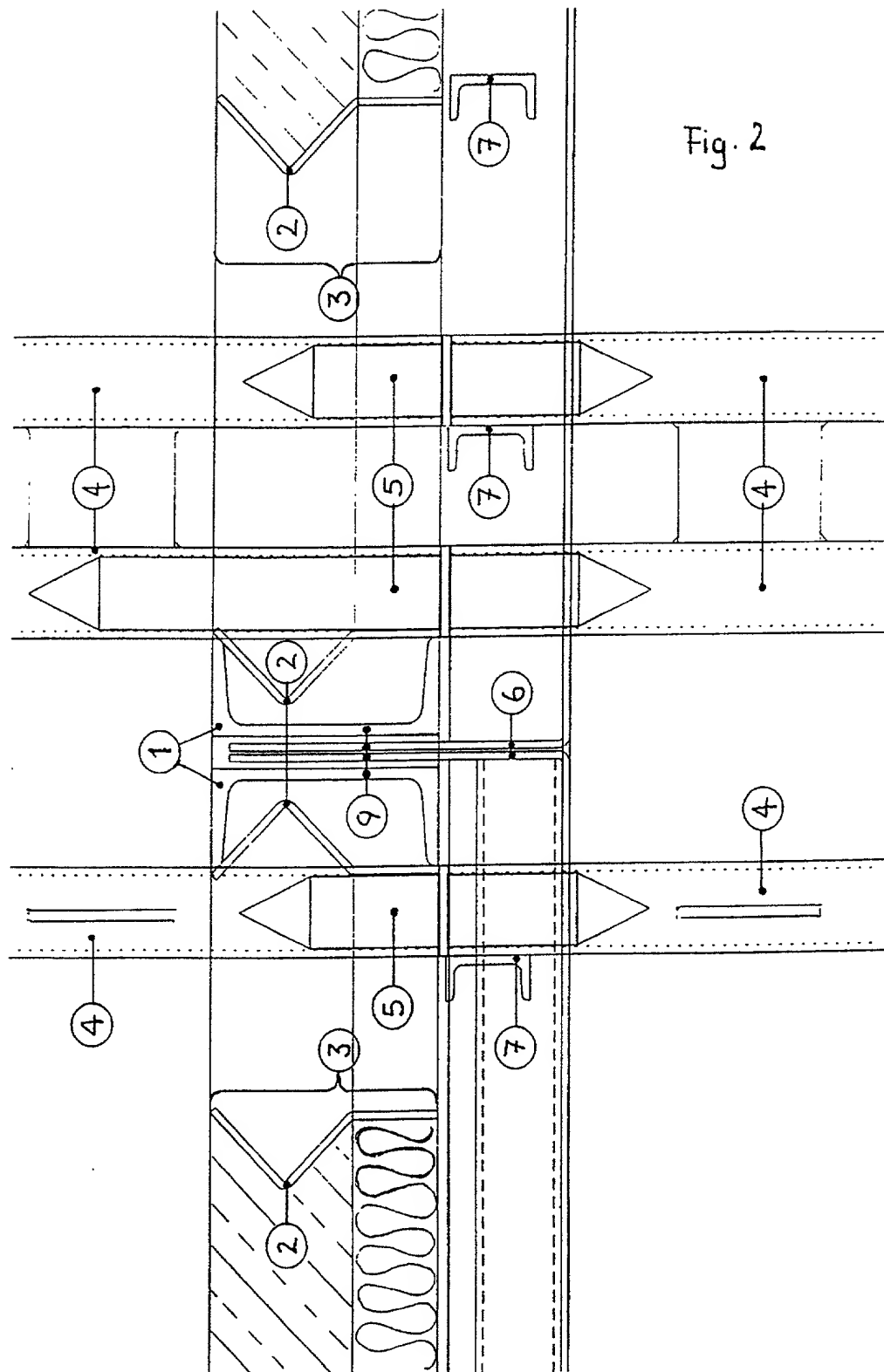


Fig. 2

Fig. 3

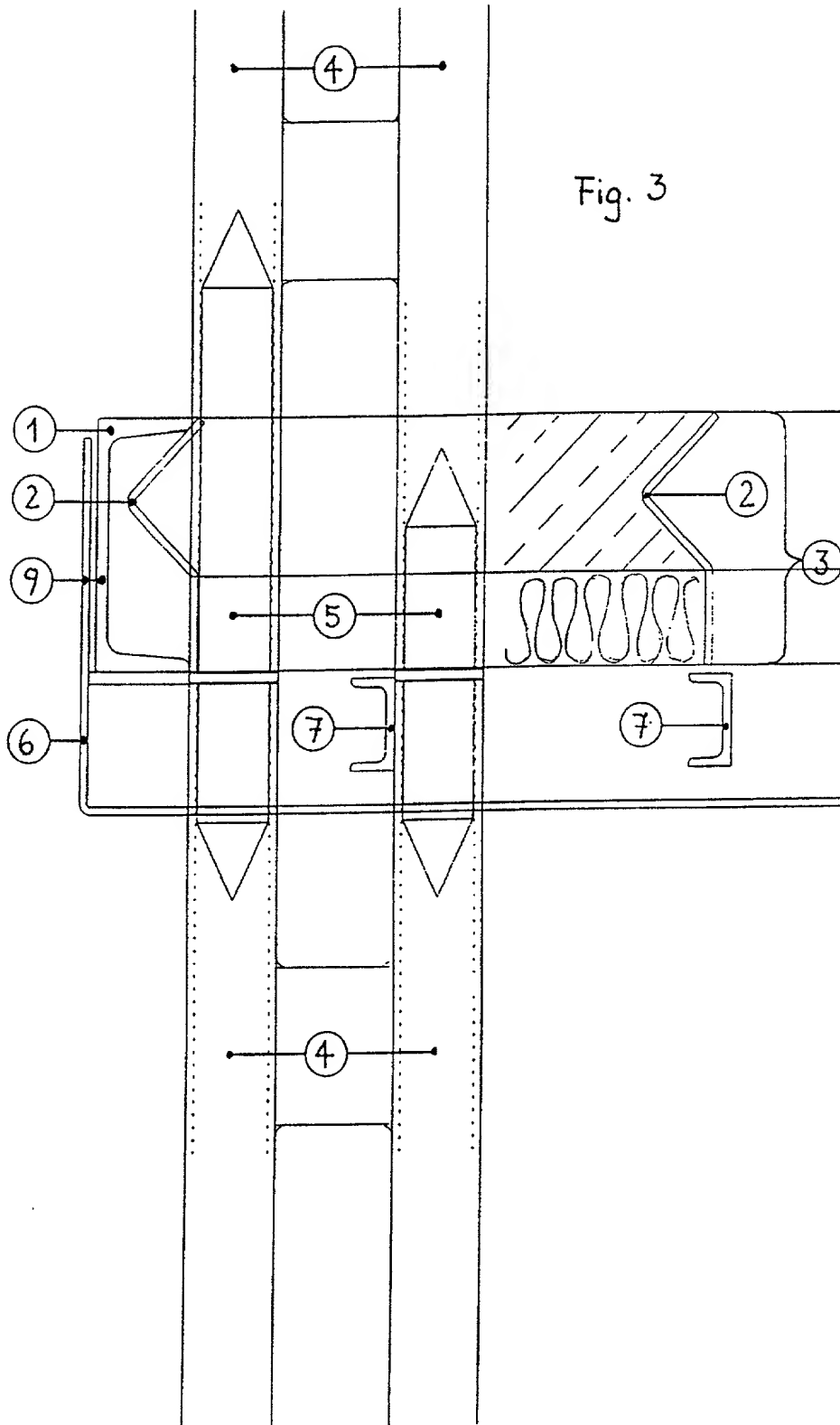


Fig. 4

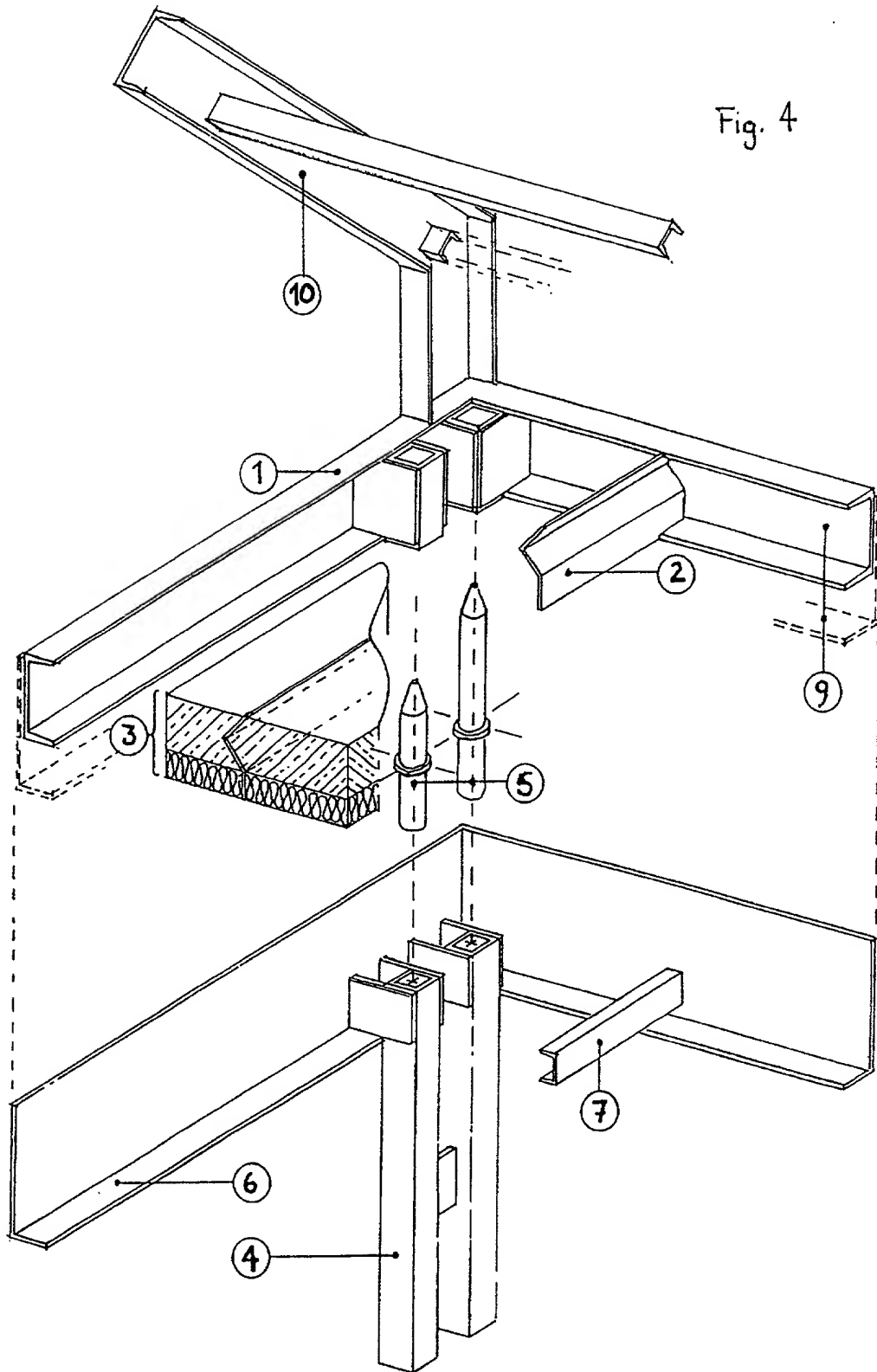
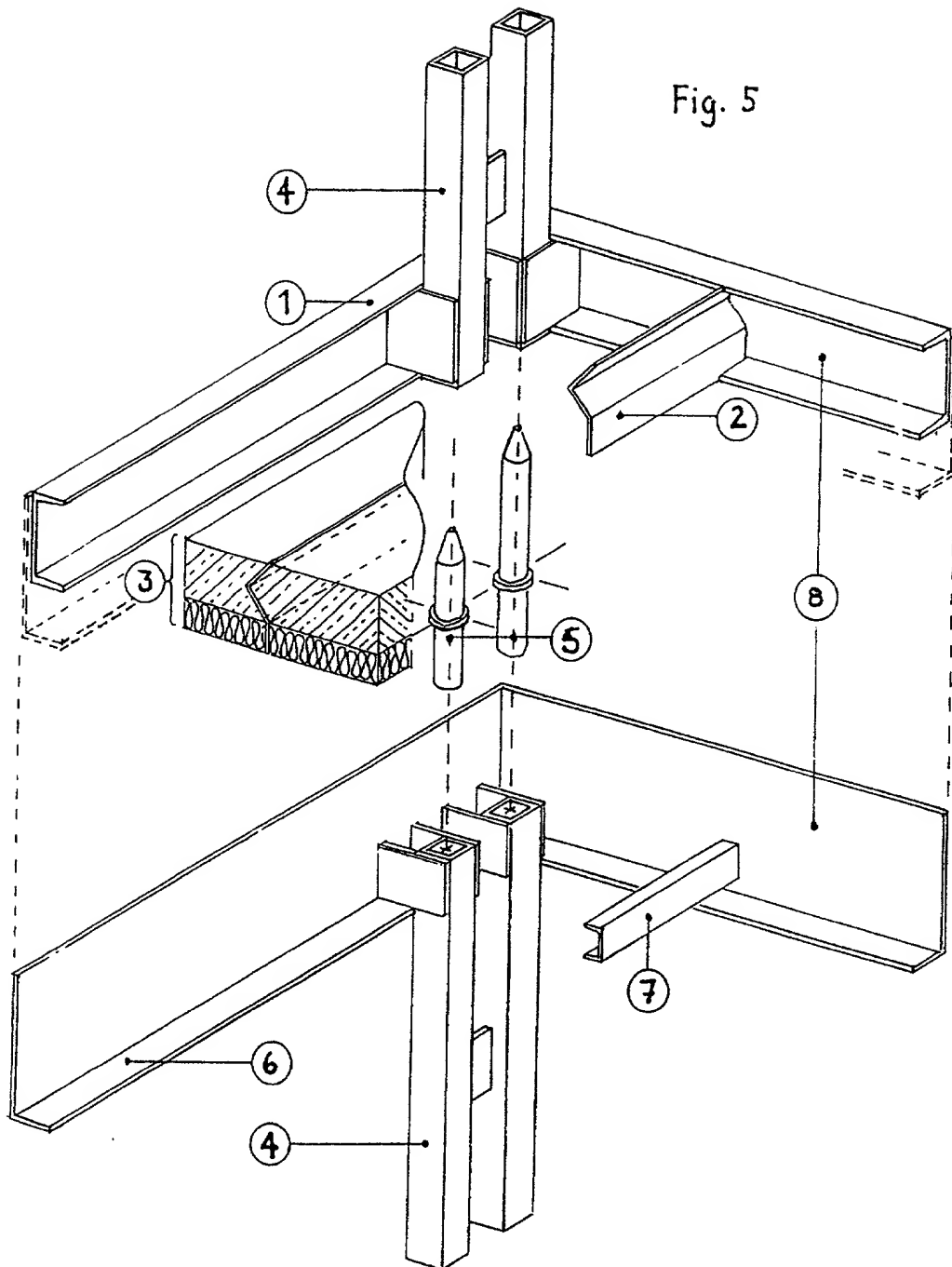


Fig. 5



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ATTY DOCK: 3933.002

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name: that I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

PREFABRICATED HOUSE/BUILDING REALIZED ACCORDING TO A METALLIC-STRUCTURE MODULAR CONSTRUCTION METHOD

which application is:
☒ the attached application
(for original application)

Based on Application No. _____
filed _____ and amended on _____
(for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56, that I hereby claim foreign priority benefits under Title 35, United States Code §119, §172 or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Application No.	Country	Filing Date	Priority Claimed (yes or no)
198 38 804.2	Germany	August 14, 1998	yes

I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any material information under 37 C.F.R. §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Filing Date	Status (patented, pending, abandoned)
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I hereby appoint Stephan A. Pandorf, Reg. No. 32,885 and Yate K. Cutliff, Reg. No. 40,577, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to Stephan A. Pandorf at Pandorf & Cutliff, P.O. Box 20445, Tampa, FL 33622-0445.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date 04.05.2000

Residence same as P.O.

Citizenship German

First Inventor Hans-Berth KLERSY

Signature [Signature]

Post Office Address Monitzstrasse 41

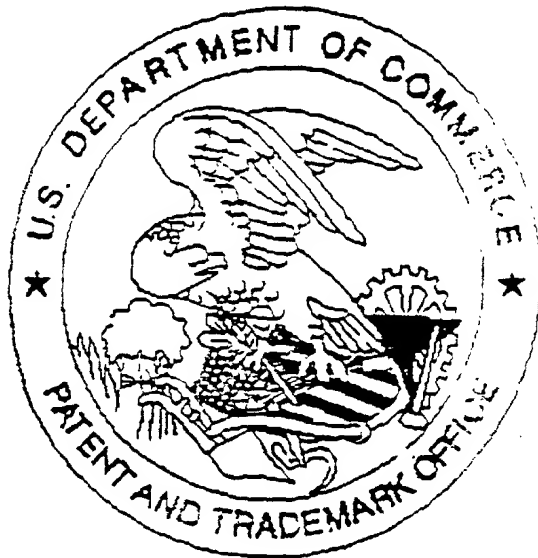
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